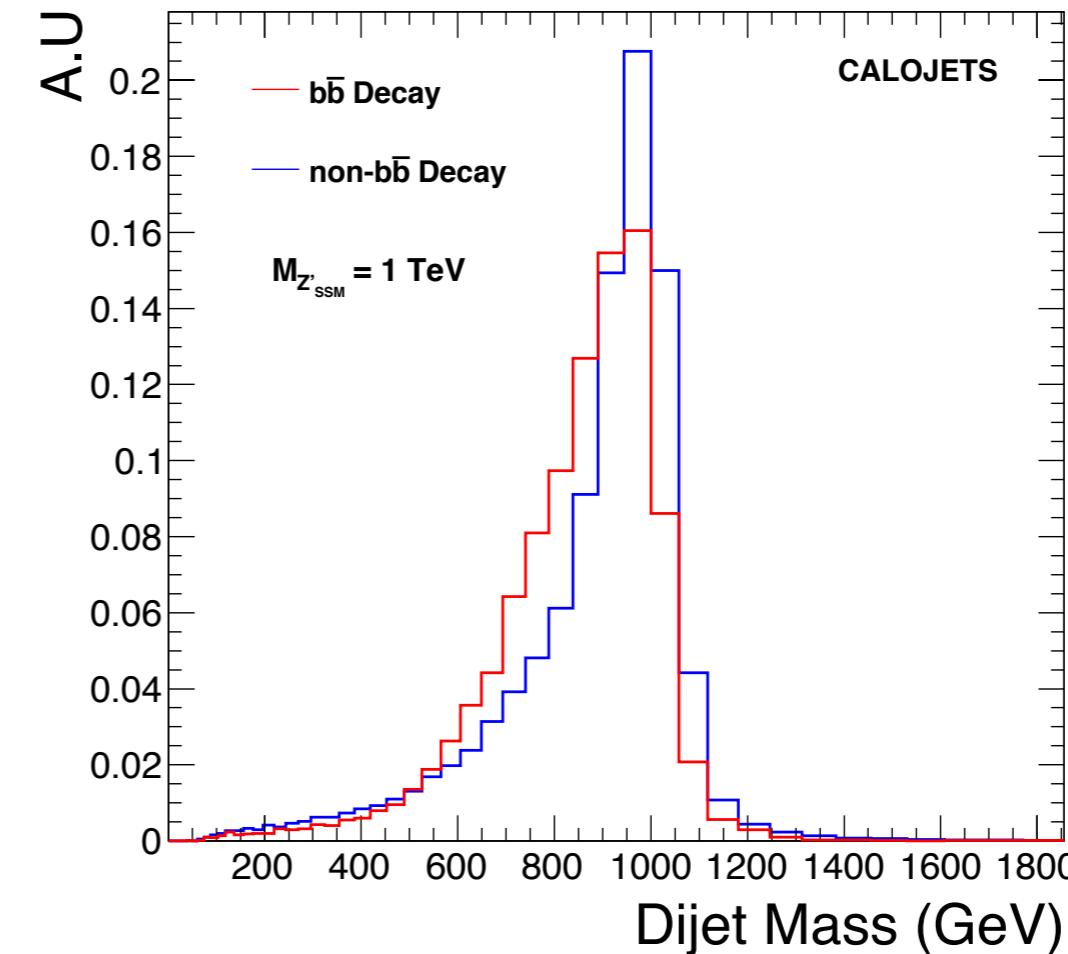
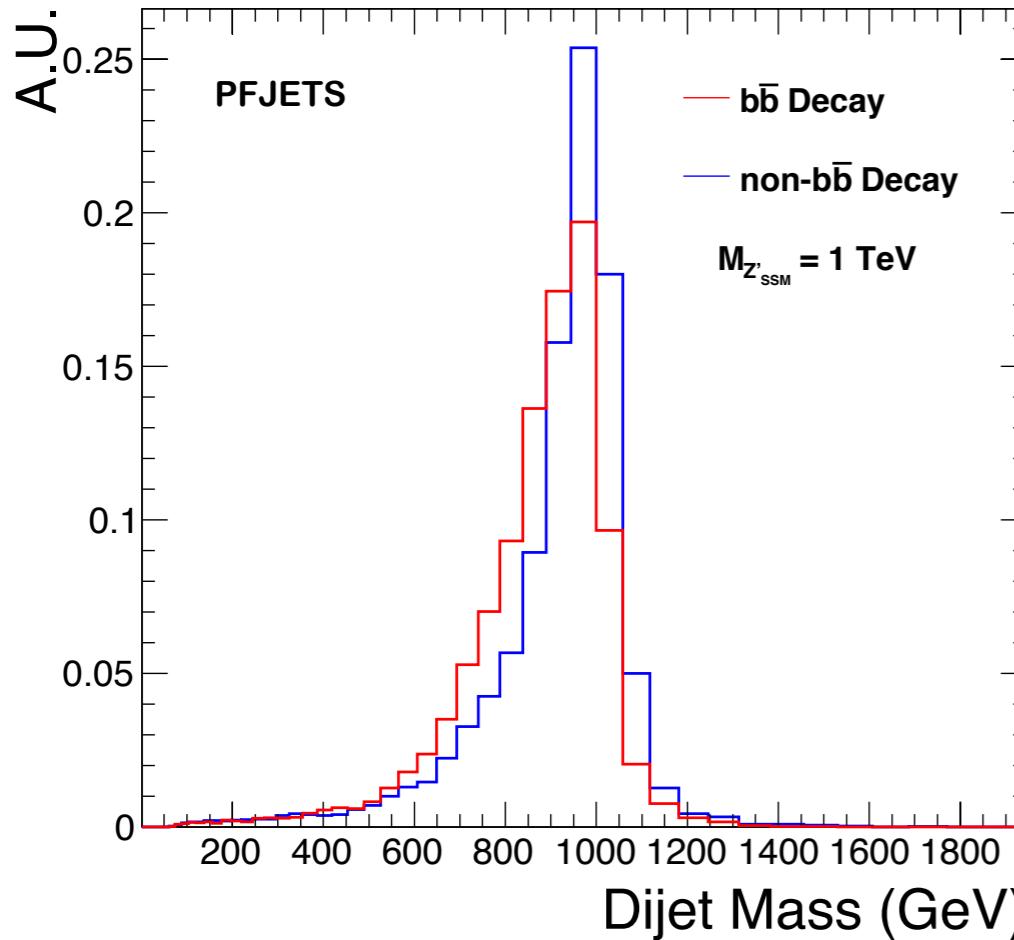




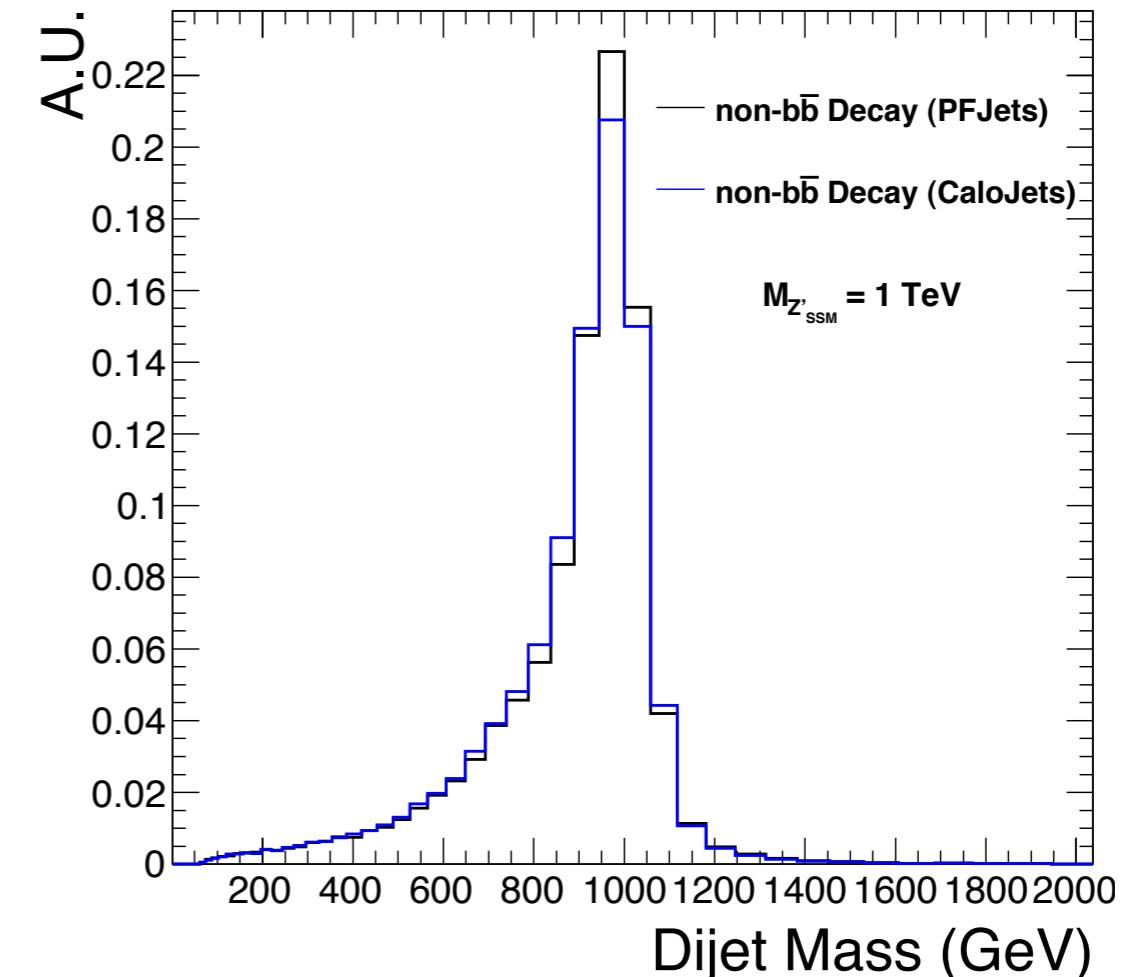
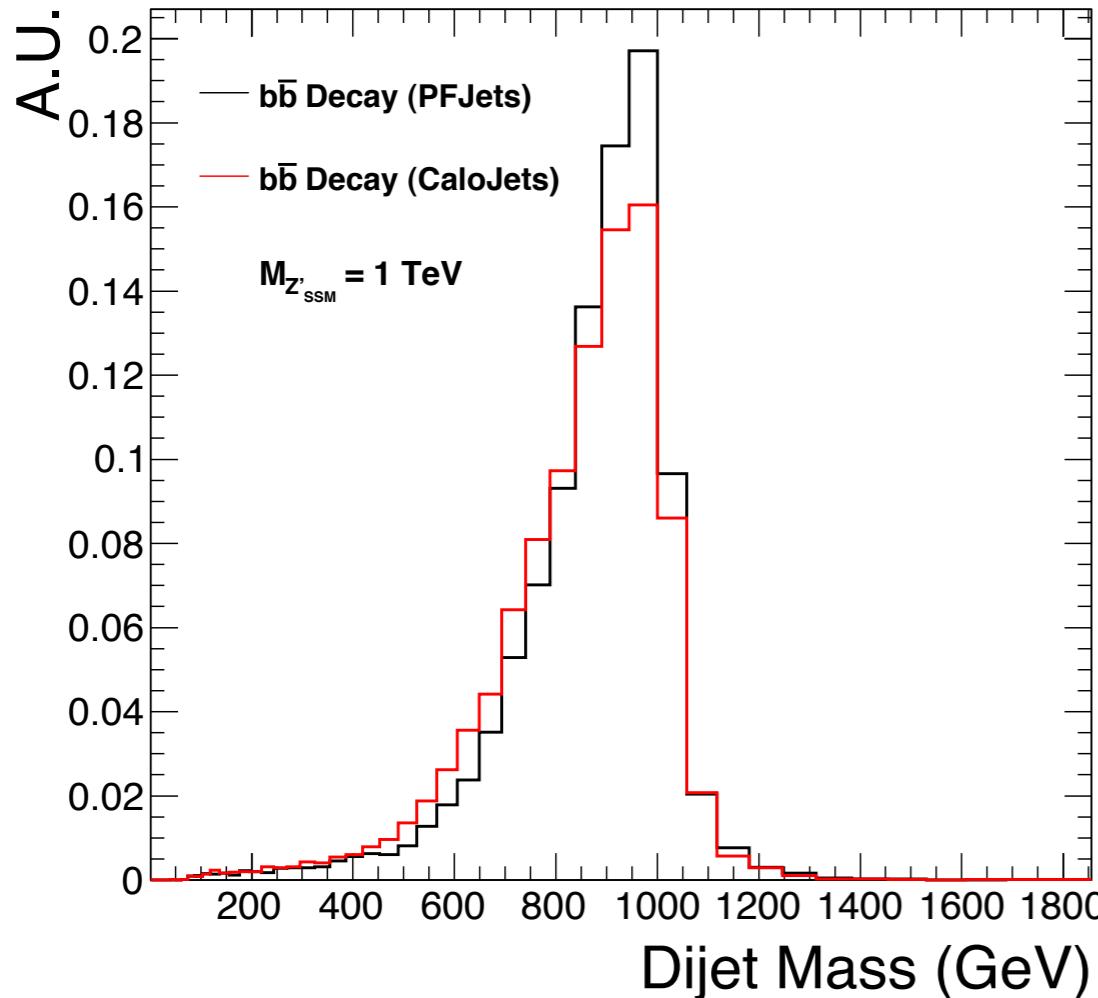
Resonance Shapes



- Resonance shapes using PFJets and CaloJets are shown.
- The signal of b-bbar resonances is shifted to lower mass region and wider than non-bbbar resonances.
- This effect is observed more when using calojets.



Resonance Shapes



- b-jets (and c-jets) decay semi-leptonic in a small fraction and muon inside the jets don't deposit its energy in the calorimeter. It could be the reason that resonance shape of $b\bar{b}$ resonances using PFjets is significantly different than Calojets comparing non- $b\bar{b}$ resonances.